

Heteroclitum Astronomicum

In Annum Aerae Christianae

MDCCLVI.

OR AN

ALMANACK

For the year of Christ 1656

Being the Bissextile or Leap-year : And  
from the Creation of the World 5605,

Containing the Places of the Sun and  
Moon, their Conjunctions, Aspects, and  
Eclipses ; With their Rising, Southing,  
and Setting.

Also variety of Rules and Tables both  
Astronomicall and Vulgar, of daily  
use for most men.

Calculated exactly for the Meridian of  
the most famous City of London,

By William Eland.

*Os homini sublime dedit Caelumque videre  
Jussit, & erectos ad sidera tollere vultus.*

LONDON

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**A Table of the Terms, with their Returns,  
for this present yeare 1656.**

Return Dayes, or Dayes of <i>Essoyn</i>	Dayes of Exceptiō	Return <i>Brevium</i>	Dayes of Appearan
Hilary Term begins the 23 of <i>January</i> , ends the 12 of <i>February</i> , and hath four Returns.			
<i>Octab. Hil.</i>	Janua. 21	Janua. 22	Janua. 23
<i>Quind. Hil.</i>	Janua. 28	Janua. 29	Janua. 30
<i>Craft. Purif.</i>	Febru. 4	Febru. 4	Febru. 5
<i>Octab. Pur.</i>	Febru. 9	Febru. 11	Febru. 11
Easter Term begins the 23 of <i>Aprill</i> , ends the 19 of <i>May</i> , and hath five Returns.			
<i>Quind. Pas.</i>	Aprill 21	Aprill 22	Aprill 22
<i>Tres Pasch.</i>	Aprill 28	Aprill 29	Aprill 30
<i>Mens. Pasc.</i>	May 5	May 6	May 7
<i>Quinq. Pas.</i>	May 12	May 13	May 13
<i>Craf. Ascen.</i>	May 16	May 17	May 19
Trinity Term begins the 6 of <i>June</i> , ends the 25 of <i>June</i> , and hath four Returns.			
<i>Craf. Trinit.</i>	June 2	June 3	June 5
<i>Octab. Trin.</i>	June 9	June 10	June 11
<i>Quind. Trin</i>	June 16	June 17	June 18
<i>Tres Trinit.</i>	June 23	June 24	June 25
<i>Michaelmas</i> Term begins the 23 of <i>October</i> , ends the 28 of <i>November</i> , and hath six Returns,			
<i>Tres Micha.</i>	Octo. 20	Octo. 21	Octo. 22
<i>Mens. Mich.</i>	Octo. 27	Octo. 28	Octo. 29
<i>Craft. Anim.</i>	Nove. 3	Nove. 4	Nove. 5
<i>Craft. Mar.</i>	Nove. 12	Nove. 13	Nove. 14
<i>Octab. Mar.</i>	Nove. 18	Nove. 19	Nove. 20
<i>Quind. Ma.</i>	Nove. 25	Nove. 26	Nove. 27
Note this generally, that the first and last dayes of each Term are the first and last dayes of Appearance.			

# The Anatomy of Mans Body, as the parts thereof are governed by the Moon in the twelve Signes.

Aries Head and face.



## The Characters of the Seven Planets.

♄ Saturn } ☉ the Sun } ♀ Venus } ♂ Dragons head  
 ♃ Jupiter } } ♂ Mercury }  
 ♂ Mars } } ♀ the Moon } ♂ Dragons tail

The Aspects both old and new.

- ♄ Conjunction, when planets are in one signe & degree
- SS Semisextile, when they are asunder 1 signe.
- \* Sextile, when they are asunder 2 signes
- Q Quintile, when they are 2 signes 12 degrees asunder.
- Quartile, when they are one from another 3 signes.
- Td Tredscile, when they are distant 3 signes 18 degrees.
- △ Trine, when they are removed one from another 4 sig.
- Bq Biquintile, when they are parted 4 signes 24 degrees.
- Vc Quincunx, when they are 5 signes distant.
- ♄ Opposition, when they are distant a semicircle or 6 sig.

Vulgar Notes observable for this present year  
1656.

Julian English, or  
old Account. or new Account.

4	Epact	4
4		4
April 6	Easter day	April 16
May 11	Rogation sunday	May 21
May 25	Whitsunday	June 4
November 30	Advent sunday	December 3

The face of the year named, or the several  
Columns in each moneth explained.

**I**N the Almanack are 7 rowes or columns, divided by black lines; the first whereof sheweth the day of the moneth, the second sheweth the day of the week, **A** being Dominical letter till the 25 of February, and afterwards **C** to the end of the year: the third sheweth the fixed and moveable Feasts, with the beginnings and endings of the Terms; likewise in this column is contained the places of **h**, **u**, **g**, **q**, **p**, and **n**: the fourth column sheweth the place of the Moon in signes and degrees: the fifth column sheweth the place of the Sun in signes, degrees, and minutes: the sixth sheweth the New Full, and Quarters of the Moon, with all the most eminent aspects of the planets; where you are to note, that when you finde (p.) expressed, it signifies *post meridiem*, or afternoon, that is, from noon to midnight: and when you finde (a.) expressed, it signifies *ante meridiem*, or before noon, that is, from midnight to noon: the seventh sheweth the Roman or Foreign Account, **A** being Dominical letter till the 25 of February, and from thence **B** to the end of the year.



January hath XXXI. dayes.

Saturn oriental with Luna the 5 day at midnight.  
 Jupiter occidental with Luna the 22 day at 11 at night.  
 Mars occidental with Luna the 22 day at 2 afternoon  
 Venus oriental with Luna the 11 day at midnight.  
 Mercury oriental with Luna the 14 day at midnight.

1	a	Perig.	cance	16	21	8	Full moon the	11	d
2	b	Perig.	leo	1	22	9	1 day, 55 min.	12	e
3	c	Δ O h 9 a.	leo	16	23	10	past 8 in the e-	13	f
4	d	Telephorus	virgo	1	24	12	vening.	14	g
5	e	h 22 59 m	virgo	16	25	13	Q O ♂	15	a
6	f	Twist day	libra	0	26	14		16	b
7	g	Julianus	libra	14	27	15	Last quarter	17	c
8	a	Erhard	libra	27	28	16	the 8 day 8	18	d
9	b	□ ♂ 10 p.	scorpi	10	29	17	19 min. past 1 in	19	e
10	c	Earth in ♄	scorpi	23	30	18	the afternoon.	20	f
11	d	h 22 33 v	sagitt	6	1	20	Δ h C 9 p.	21	g
12	e	Hyginus	sagitt	18	2	21		22	a
13	f	1 Sund. af. Ep.	capri	0	3	22	□ ♂ 3 p.	23	b
14	g	Felix	capri	12	4	23	SS ♀ ♀ Apog.	24	c
15	a	♂ 14 29 v	capri	24	5	24	Q eclips. visib.	25	d
16	b	Marcellus	aquat	6	6	25	New moon the	26	e
17	c	* h 2 5 p.	aquat	17	7	26	16 days 54 min.	27	f
18	d	Prisca	pisces	29	8	27	past 12 at noon	28	g
19	e	♀ 23 8 i	pisces	11	9	28	□ ♀ at noon	29	a
20	f	2 Sun. af. Epi.	pisces	23	10	29	Q O h	30	b
21	g	Agneta	aries	5	11	30		31	c
22	a	Vincent	aries	18	12	31			
23	b	Term beg.	tauru	0	13	32	First quarter		
24	c	Timothy	tauru	13	14	33	the 24 day 22		
25	d	♀ 4 46 m	tauru	27	15	34	min. past 1 in		
26	e	Polycarp.	gemini	10	16	34	the afternoon.		
27	f	3 Sun. af. Epi.	gemi	24	17	35			
28	g	Q 26 21 v	cance	9	18	36	Full moon the		
29	a	Carolus M.	cance	24	19	37	31 day 2 min.		
30	b	Marcellus	leo	9	20	38	past 7 morning		
31	c	♂ h 4 p.	leo	24	21	38			

February hath X X I X. dayes.

Saturn orienral with Luna the 2 day at 6 in the morning  
 Jupiter occidental with Luna the 19 day at 2 afternoon.  
 Mars occidental with Luna the 20 day at 8 in the morn.  
 Venus oriental with Luna the 10 day at 11 at night.  
 Mercury occidental with Luna the 15 day at 8 at night.

1	d	h 21 45	virgo	9 22 39		11	g
2	e		virgo	24 23 40	T d 4 9	12	a
3		Septuagesima	libra	9 24 40	□ 9 9 a.	13	s
4	g	8 8 9 p.	libra	23 25 41	* 9 11 p.	14	c
5	a	Agatha	scorpi	6 26 41	* 9 6 p.	15	d
6	b	Dorothy	scorpi	20 27 42	Last quart. the	16	e
7	c	* 4 6 a.	sagitt	2 28 42	7 day, 37 min.	17	f
8	d	Salome	sagitt	15 29 43	past 3 morning	18	g
9	e	4 26 57 v	sagitt	27 30 43	8 9 1 p.	19	a
10		Sexagesima	capri	9 1 43	* 9 3 a.	20	b
11	g	Defid Bish.	capri	21 2 44	Δ h 9 op. (9	21	c
12	a		aquar	3 3 44	9 Apog.	22	d
13	b	8 4 3 8	aquar	14 4 45		23	e
14	c	Valentine	aquar	26 5 45	New moon the	24	f
15	d	Δ h 9 3 p.	pisces	8 6 45	15 day 46 min.	25	g
16	e	Constant,	pisces	20 7 45	past 7 in the	26	a
17	f	Shrove tuesda.	aries	2 8 45	morning.	27	b
18	g	9 23 49 v	aries	15 9 45		28	c
19	a	Ashwednesday	aries	27 10 46	8 h 9 10 a.	29	d
20	b	79 Martyrs	tauru	10 11 46		30	e
21	c	Cath. Pet.	tauru	23 12 46	* 9 2 p.	1	f
22	d		gemi	6 13 46	First quarter	2	g
23	e	9 28 24 *	gemi	20 14 46	the 23 day 5	3	a
24	f	Quadragesim.	cancer	4 15 46	m. past 1 in the	4	b
25	g	Matthias	cance	18 16 46	morning. 9	5	c
26	a	Oculi	leo	3 17 45	9 Perig.	6	d
27	b	Leander	leo	17 18 45	* 9 3 a.	7	e
28	c	Oswald.	virgo	2 19 45	8 9 at noon	8	f
29	d	9 24 38 v	virgo	17 20 45	Δ 9 7 a.	9	g
30	e					10	a

# March hath XXXI. dayes.

Saturn occidental with Luna the 27 day at 9 at night.  
 Jupiter occidental with Luna the 18 day at 7 in the morn.  
 Mars occidental with Luna the 20 day at 1 in the morn.  
 Venus oriental with Luna the 11 day at 11 before noon.  
 Mercury occidental with Luna the 16 day at 11 at night.

1	D	David Bish.	libra	2	21	45	Full moon the	11	G
2	E	Sund. in Lent	libra	17	12	45	1 day, 58 min.	12	A
3	F	H 19 26 M	scorpi	1	23	45	past 2 in the	13	B
4	G	Adrian	scorpi	15	24	44	morning.	14	C
5	A	Letare	scorpi	28	25	44	Bq H Q	15	D
6	B	Fridelin	sagitt	11	26	43	Q in digr. max.	16	E
7	C	Δ H δ 3 a.	sagitt	23	27	43	Last quarter	17	F
8	D	U 2 35 S	capri	6	28	41	the 7 day 5 m.	18	G
9	E	3 Sun. in Lent	capri	17	29	41	past 8 at night	19	A
10	F	Earth enters	capri	29	V	41		20	B
11	G	Cuniber	aquar	11	1	40	Vch Q. Vch Q	21	C
12	A	Gregory	aquar	23	2	39	(C Apog.	22	D
13	B	Euphras.	pisces	5	3	39	SS O U Q	23	E
14	C	δ 24 4 S	pisces	17	4	38	Q Retrograde	24	F
15	D	Longine	pisces	29	5	37	New moon the	25	G
16	E	4 Sund. in Lent	aries	12	6	36	15 day 36 min.	26	A
17	F	Gertrude	aries	24	7	35	after midnight	27	B
18	G	Gabriel	tauru	7	8	34	□ δ Q 3 a.	28	C
19	A	Rupert	tauru	20	9	34		29	D
20	B	Ioseph.	gemini	3	10	33		30	E
21	C	Q o 23 X	gen i	17	11	32	First quarter	31	F
22	D	Gotfridus	cance	0	12	31	the 23 day 45	Apri	
23	E	5 Sun. in Lent	cance	14	13	30	min. past 9 in	2	A
24	F	Q 13 8 V	cance	28	14	28	the morning.	3	B
25	G	Annun. Ma	leo	12	15	27	C Petig.	4	C
26	A		leo	27	16	26	* U Q 11 p.	5	D
27	B	Jo. Erem.	virgo	12	17	25	V c O H	6	E
28	C	Gideon	virgo	26	18	24	SS Q Q	7	F
29	D	Ω 23 6 W	libra	11	19	22	Full moon the	8	G
30	E	Walim Sund	libra	25	20	21	30 day 46 min.	9	A
31	F	SS U V	scorp.	9	21	20	past 2 morning	10	B

Saturn occidental with Luna the 24 day at 3 morning.  
 Jupiter occidental with Luna the 15 day at 1 in the morn  
 Mars occidental with Luna the 17 day at 4 afternoon.  
 Venus oriental with Luna the 10 day at 11 beforenoon.  
 Mercury oriental with Luna the 12 day just at noon.

1	A	h	17	23	♈	scorpi	23	22	18		11	c
2	a	Mary	Egypt			sagitt	6	23	17	* ♂ ♀ 8 p.	12	d
3	b	Richard	B.			sagitt	19	24	15	☐ ♀ 2 a.	13	e
4	c	Ambrose				capri	2	25	14	♂ h ♀ 10 p.	14	f
5	d	Martiman				capri	14	26	12	☾	15	g
6	e	Zenn				capri	26	27	11	Last quarter	16	h
7	f	U	9	26	♊	aquar	7	28	9	the 6 day 29	17	b
8	g	Apog.				aquar	19	29	7	min. past 2 in	18	c
9	a	Earth	in m			pisces	1	♊	6	the afternoon.	19	d
10	b	Perpetuus				pisces	13	1	4	♂ h ♀ 7 p.	20	e
11	c	Guthliacus				pisces	25	2	2		21	f
12	d	Julius				aries	7	3	1	* ♂ ♀ 10 p.	22	g
13	e					aries	20	3	59	New moon	23	h
14	f	♂	14	24	♈	tauru	3	4	57	the 14 day 31	24	b
15	g	Δ h	at noon			tauru	16	5	55	min. past 2 in	25	c
16	a	Ireneus				gemi	0	6	53	the afternoon	26	d
17	b	☐ h	♂ 5 p.			gemi	14	7	51	☐ h ♂ 10 p.	27	e
18	c	Valerian.				gemi	27	8	49	☐ ♀	28	f
19	d	♀	4	25	♊	cance	11	9	47	☾	29	g
20	e	2 Sup.	af. East			cance	25	10	45	♀ in d. r. max.	30	h
21	f	☾	Perig.			leo	9	11	43	First quarter		
22	g	♈	Oriental			leo	23	12	41	the 21 day, 4	1	c
23	a	Adelburg				virgo	7	13	37	min. past 4 in	2	d
24	b					virgo	21	14	37	the afternoon.	3	e
25	c					libra	6	15	35	♂ ♀ 10 p.	4	f
26	d	♀	20	25	♊	libra	20	16	33	Δ ☉ h 9 a.	5	g
27	e	3 Sund.	af. East.			scorpi	4	17	31	SS ♀. Bq h ♀	6	h
28	f	Vitalis				scorpi	17	18	28	Full Moon the	7	b
29	g	Peter of M.				sagitt	1	19	26	28 day at 1 in	8	c
30	a	♊	21	24	♈	sagitt	14	20	24	the afternoon.	9	d




























































# May hath XXXI. dayes

Saturn occidental with Luna the 21 day at 9 in the morn  
 Jupiter oriental with Luna the 12 day at 10 at night.  
 Mars occidental with Luna the 16 day at 8 morning.  
 Venus oriental with Luna the 11 day at 3 afternoon.  
 Mercury oriental with Luna the 12 day at 6 at night.

1	b	Phyl. 33a.	sagit	27	21	22		11	e
2	c	h 16 18	capri	9	22	15		12	f
3	d	Invent. Cruels	capri	22	23	17		13	g
4	e	4 fund. ast. Ea.	aqua	3	24	15	Bq h ♀	14	a
5	f	u 16 2	aqua	15	25	12	Apog.	15	b
6	g	Joh. Port. Lat.	aqua	27	26	10	Last quarter	16	c
7	a	Beverly.	pisces	9	27	7	the 6 day 55	17	d
8	b	* u 3 a.	pisces	21	28	5	min. past 9 in	18	e
9	c	Nicholas	aries	3	29	3	the morning.	19	f
10	d	Gordian	aries	16	II	0		20	g
11	e	Rogat.	aries	18	0	58	* ♂ 6 p.	21	a
12	f	♂ 2 30	tauru	12	1	55	SS ♂ ♀	22	b
13	g		tauru	25	2	52	Δ h ♀ 3 a.	23	c
14	a	Boniface	gemi	9	3	50	New moon the	24	d
15	b	Ascens. Da.	gemi	23	4	47	14 day, 40 min	25	e
16	c	Adelg.	cance	7	5	4	ast 1 in the	26	f
17	d	Bern. transf.	cance	21	6	4	morning	27	g
18	e	6 fund. af. Ea.	leo	6	7	39		28	a
19	f	Mercurius	leo	20	8	37	Perig.	29	b
20	g	Bernh.	ergo	4	9	34	First quarter	30	c
21	a	Uibanus	vingo	18	10	31	the 20 day, 21	31	d
22	b	Juliana	libra	2	11	29	min. past 9 at		e
23	c	♀ 15 7	libra	16	12	26	night.	2	f
24	d	Servulus	libra	29	13	23	Δ h ♀ 4 p.	3	g
25	e	Ascens. Sunday	sc rp	13	14	20	♂ ♀ 7 p.	4	a
26	f	Edvardus	scorp	26	15	18	♀ Occidental	5	b
27	g	Beda	sagit	9	16	15	♂ ♂ 7 a.	6	c
28	a	♀ 8 39	sagit	22	17	12	♂ u ♀ 4 p.	7	d
29	b	Coronis M.	capri	5	18	9	Full moon the	8	e
30	c	Felix	capri	17	19	6	28 day, near 1	9	f
31	d	♂ 19 46	capri	29	20	4	in the morning	0	g

June hath XXX. dayes.

Saturn occidental with Luna the 17 day at 4 afternoon  
 Jupiter oriental with Luna the 9 day at 7 at night.  
 Mars occidental with Luna the 13 day at 10 at night.  
 Venus oriental with Luna the 10 day at 6 at night.  
 Mercury occidental with Luna the 13 day at 8 at night.

1	 Trin. Sun.	aquar	11	21	01		11	
2	 16 50	aquar	23	21	58	Apog.	12	
3	 Erasmus	pisces	05	22	55	 d h 2	13	
4	 Medard	pisces	17	23	52	* h 8 1 a.	14	
5	 Boniface	pisces	29	24	49	Last quarter	15	
6	 Term begin	aries	11	25	46	the 5 day 40	16	
7	 23 32	aries	23	26	43	min. past 2 in	17	
8	 1 Sund.af.Tri.	tauru	06	27	40	the morning.	18	
9	 Edmond	tauru	20	28	38		19	
10	 Onufri	gemi	03	29	35		20	
11	 Longest day	gemi	17	30	32	* h 2 10 a.	21	
12	 22 20	cance	02	1	29	New moon	22	
13	 28	cance	16	2	26	the 12 day at	23	
14	 Valerius	leo	01	3	23	11 before noon	24	
15	 2 Sund.af.Tri.	leo	16	4	20	6 2 7 a.	25	
16	 f	virgo	00	5	17	* 4 2 1 a.	26	
17	 Corpus Chr.	virgo	15	6	14	* 4 3 8 p.	27	
18	 Volch.	virgo	29	7	13		28	
19	 28 2 11 a.	libra	13	8	08	First quarter	29	
20	 9 19 1 II	libra	26	9	05	the 19 day, 41	30	
21	 Paul Bish.	scorpi	10	10	02	min. past 1 in	July	
22	 3 Sund.af.Tri.	scorpi	23	10	59	the morning.	2	
23	 2 6 40	sagitt	06	11	56		3	
24	 John Bapt.	sagitt	19	12	54	Q 4 2	4	
25	 Term ends	capri	01	13	51		5	
26	 Crescente	capric	13	14	48	Full Moon the	6	
27	 7 Sleepers	capri	26	15	45	26 day 44 min.	7	
28	 Leopold.	aquar	08	16	42	past 1 in the	8	
29	 4 Sun.af.Trin.	aquar	20	17	39	afternoon.	9	
30	 18 11	pisces	01	18	36	* 0 hat noon	10	

July hath XXXI. dayes.

Saturn occidental with Luna the 15 day at 4 in the morn  
 Jupiter oriental with Luna the 7 day at 2 afternoon.  
 Mars occidental with Luna the 12 day at 2 afternoon.  
 Venus oriental with Luna the 10 day at 5 at night.  
 Mercury occidental with Luna the 13 day at 11 morning

1	g	h	18	41	♊	pisces	13	19	33	♂	h	♄	10p.	11	c
2	a					pisces	25	20	30	♀	elong.	max.		12	d
3	b					aries	7	21	27	SS	h	♀		13	e
4	c					aries	19	22	25	Qh	♀	SS	♂	14	i
5	d	♈	29	9	♈	tauru	2	23	22	Last	quarter			15	g
6	e	♊	5			tauru	14	24	19	the	4	day	34	16	h
7	f					tauru	28	25	16	min.	past	5	at	17	b
8	g					gemi	11	26	13	night.				18	c
9	a					gemi	25	27	11					19	d
10	b	♊	7			cance	10	28	8	♄	♅			20	e
11	c	♊	10	45	♊	cance	25	29	5	New	moon	the		21	f
12	d					leo	10	♊	2	11	day,	8	min	22	g
13	e	♊	6			leo	25	1	0	before	7	at		23	h
14	f					virgo	10	1	57	night.				24	i
15	g					virgo	24	2	54	*h	♀	9p.		25	j
16	a	♊	20	45	♊	libra	9	3	51	*♂	♄	8p.		26	k
17	b					libra	23	4	49	□	♀	9a.		27	l
18	c	♀				sc	rp	7	5	46	First	quarter		28	m
19	d					scorp	20	6	43	the	18	day,	34	29	n
20	e	♊	7			sagit	3	7	41	min.	past	9	in	30	o
21	f	♀	24	39	♊	sagit	16	8	38	the	morning.			31	p
22	g					sagit	28	9	36	Δ	♀	♄	4a.		Augu
23	a					capri	10	10	33	♄	♅			2	d
24	b	♀				capri	22	11	31	Δ	h	♄	8a.	3	e
25	c					aqua	4	12	28	*♈	♀	13p.		4	f
26	d					aqua	16	13	25	Full	moon	the		5	g
27	e	♊	8			aqua	28	14	23	16	day	35	min	6	h
28	f	♊	16	42	♊	pisces	10	15	21	past	4	in	the	7	i
29	g					pisces	22	16	18	morning.				8	j
30	a					aries	4	17	16	♀	oriental			9	k
31	b					aries	16	18	13	♄	♅	♀	4a.	10	l



# August hath XXXI. days.

Saturn occidenral with Luna the 11 day at 6 at night.  
 Jupiter oriental with Luna the 4 day at 6 in the morning  
 Mars occidental with Luna the 13 day at 5 in the morn.  
 Venus oriental with Luna the 9 day at 3 in the afternoon  
 Mercury oriental with Luna the 9 day at 3 in the morning

1	e	Lammas day	aries	28	19	11		11	f
2	d	h 21 50 m	tauru	11	20	9	Q 4 5	12	g
3	e	9 Sun. af. Trin	tauru	22	21	5	Last quarter	13	h
4	f	Aristarchus	gemi	6	22	4	the 3 day 40	14	b
5	g	Oswald	gemi	20	23	2	min. past 6 in	15	c
6	a	4 3 58 II	cancer	4	23	59	the morning.	16	d
7	b	) with Pol. H.	cance	18	24	57	( 2 )	17	e
8	c	) with Afellus	leo	3	25	55	* 4 C 1 p.	18	f
9	d	) neer Cor	leo	18	26	53	) Perig.	19	g
10	e	10 Sun. af. Tri	virgo	3	27	51	New moon the	20	h
11	f	8 0 25 m	virgo	28	28	48	10 day 19 min.	21	b
12	g	Clara	libra	3	29	46	past 2 in the	22	c
13	a	Hippolit.	libra	18	m	44	morning.	23	d
14	b	) with Spicam	scorpi	2	1	42	* 8 ) 11 a.	24	e
15	c	Alsum. Mar.	scorpi	16	2	40	□ 9 C 8 a.	25	f
16	d	9 28 0 9	sagitt	0	3	38	First quarter	26	g
17	e	11 Sun. af. Tri.	sagitt	12	4	36	the 16 day, 16	27	h
18	f	□ 10 4 1 a.	sagitt	25	5	34	min. past 7 at	28	b
19	g	Sebaldus	capri	7	6	32	night. ) 9	29	c
20	a	Bernard	capri	19	7	30		30	d
21	b	9 21 13 9	aquar	1	8	28	□ 4 9 5 p.	31	e
22	c	Simphon.	aquar	13	9	26		32	f
23	d	8 9 C 8 a.	aquar	25	10	25	) Apog.	33	g
24	e	Barthol. Ap.	pisces	7	11	23	Full moon the	34	h
25	f	Ludovicus	pisces	19	12	21	24 day 39 min	35	b
26	g	* 4 ) 8 p.	aries	1	13	20	past 8 at night	36	c
27	a	Gebbard.	aries	13	14	18		37	d
28	b	Augustus	aries	25	15	16		38	e
29	c	Do. days end	tauru	7	16	15	△ 9 C 3 a.	39	f
30	d	9 14 56 v	tauru	20	17	13	□ 4 9 10 a.	40	g
31	e	13 Sun. af. Tri.	gemi	3	18	12		41	h

September hath XXX. dayes.

Saturn occidental with Luna the 8 day at 10 before noon  
 Jupiter oriental with Luna the 27 day at 11 at night.  
 Mars oriental with Luna the 7 day at 9 at night.  
 Venus oriental with Luna the 7 day at 1 afternoon.  
 Mercury oriental with Luna the 8 day at 5 morning.

1	f	h	25	25	♊	gemi	16	19	10	Last quart. the	11	b
2	g	o	o	q	3 p.	gemi	29	20	9	1 day 50 min.	12	c
3	a					cance	13	21	7	past 5 in the	13	d
4	b				Cuthbert	cance	27	22	6	morning.	14	f
5	c	*	u	c	2 a.	leo	11	23	5	7 d u q	15	g
6	d				Magnus	leo	26	24	3	Perig.	16	h
7	e				14 Sun.af.Tri.	virgo	11	25	2	o h q 8 a.	17	b
8	f				Nat.Mar.	virgo	27	26	1	New moon	18	c
9	g	u	6	19	II	libra	12	27	0	the 8 day 10	19	d
10	a	o	h	q	4 a.	libra	27	27	58	m'n. past 10 in	20	e
11	b	q			Occidental	scorpi	11	28	57	the morning.	21	f
12	c				Tobias	scorpi	25	29	56		22	g
13	d				Earth in v	agita	8	55	55	o u c 7 a.	23	h
14	e				15 Sun.af.Tri.	agita	21	1	54	o c at noon	24	b
15	f	o	22	49	III	capri	4	2	53	First quarter	25	c
16	g	o	q	q	6 a.	capri	16	3	52	the 15 day 40	26	d
17	a				Lambert	capri	28	4	51	min. past 8 in	27	e
18	b				Ferrius	aquar	2	5	51	the morning.	28	f
19	c					aquar	22	6	50		29	g
20	d				Windel.	pisces	4	7	49	Apog.	30	h
21	e					pisces	16	8	48			
22	f				Maurit.	pisces	28	9	47	o h c at noon	1	b
23	g	o	h	o	7 p.	aries	10	10	46	Full moon the	2	c
24	a	q	17	31	III	aries	22	11	46	23 day 6 min.	3	d
25	b				Crispinus	tauru	4	12	45	past 1 after-	4	e
26	c	q	24	21	III	tauru	17	13	44	noon.	5	f
27	d				Judith	gemi	0	14	44	Δ o c 1 p.	6	g
28	e				17 Sun.af.Tri.	gemi	13	15	43	SS h q	7	h
29	f				Michael Br.	gemi	26	16	42	B q u q	8	b
30	g	o	13	18	III	cance	9	17	42		9	c

October hath XXXI. dayes.

Saturn oriental with Luna the 6 day at 2 in the morning.  
 Jupiter oriental with Luna the 21 day at 1 in the morn.  
 Mars oriental with Luna the 6 day at 1 afternoon.  
 Venus occidental with Luna the 8 day at 11 beforenoon.  
 Mercury occidental with Luna the 9 day at 2 in the morn

1	a	h	29	6	m	cance	23	18	41	Last quarter 1	11	d
2	b	Leodeg.				leo	6	19	41	day 43 m. past	12	e
3	c	Candid. Mart.				leo	21	20	41	3 in the morn.	13	f
4	d	♀ enters m				virgo	5	21	41	☾ Perig.	14	g
5	e	18 Sun. af. Tri.				virgo	20	22	41	△ ♃ 6 a.	15	h
6	f	♃ 5 32 II				libra	5	23	41	△ ♃ at noon	16	b
7	g	Faith Virg.				libra	20	24	40	New moon the	17	c
8	a	Pelag. Virg.				scorpi	5	25	40	7 day 21 min.	18	d
9	b	h enters m				scorp	19	26	40	past 7 at night	19	e
10	c	Gedeon				scorp	3	27	40		20	f
11	d	♂ 9 40 m				sagitt	17	28	40	* B q ☉ ♃	21	g
12	e	9 Sun. af. Tri.				capri	0	29	40	SS ☉ h ☾	22	h
13	f	Earth enters ♄				capri	12	m	40	☐ ♂ ☾ 8 a.	23	b
14	g	Callixtus				capri	25	1	40	* ♀ ☾ 4 a.	24	c
15	a	Hedwig				aquar	7	2	40	First quarter	25	d
16	b	♀ 14 59 m				aquar	19	3	40	the 15 day 23	26	e
17	c	Florence				pisces	0	4	40	min. past 2 in	27	f
18	d	Luke Evan.				pisces	12	5	40	the morning.	28	g
19	e	10 Sun. af. Tri.				pisces	24	6	41		29	h
20	f	♂ h 1 a.				aries	5	7	41	* ♃ 7 a.	30	b
21	g	♀ enters ♈				aries	18	8	41	♂ ♂ ☾ 7 a.	31	c
22	a	Cordula				tauru	1	9	41	Full moon the		
23	b	Term beg.				tauru	13	10	42	23 day 20 min.	2	d
24	c	♂ h 3 a				tauru	26	11	42	past 5 in the	3	e
25	d	Transl. of J.				gemi	9	12	42	morning.	4	f
26	e	21 Sun. af. Tri.				gemi	23	13	43	△ ♂ 5 a.	5	g
27	f	♃ II 52 v				cance	6	14	43	☾	6	h
28	g	Sim. a Jude				cance	19	15	44	♀ in max. eva.	7	c
29	a	Narcissus				leo	3	16	44	Last quarter	8	d
30	b	♂ ♃ 10 p.				leo	17	17	45	the 30 day, 16	9	e
31	c	☾ Perig.				virgo	1	18	45	min. afternoon	10	f

November hath X X X days.

Saturn oriental with Luna the 2 day at 4 afternoon.  
 Jupiter occidental with Luna the 21 day at 2 morning.  
 Mars oriental with Luna the 4 day at 5 in the morning.  
 Venus occidental with Luna the 7 day at 1 afternoon.  
 Mercury occidental with Luna the 7 day at 4 afternoon.

1	<b>D</b>	All Saints	virge	15	19	46	☐ ☽ ☾ 5 a.	11	<b>g</b>
2	<b>E</b>	22 Sun. af. Tri.	libra	0	20	47	△ ☾ 4 11 p	12	
3	<b>F</b>	☾ 2 41	libra	14	21	48		13	<b>b</b>
4	<b>G</b>	Frideswick	libra	29	22	48		14	<b>c</b>
5	<b>A</b>	Domd. Plot	scorpi	13	23	49	B q 4 ☽	15	<b>d</b>
6	<b>B</b>	Leonard	scorpi	29	24	50	New moon	16	<b>e</b>
7	<b>C</b>	☾ 2 2 II	sagitta	11	25	50	the 6 day 42	17	<b>f</b>
8	<b>D</b>	☽ ☽ ☽ 2 p.	sagitta	25	26	51	min. past 6 in	18	<b>g</b>
9	<b>E</b>	23 Sun. af. Tri.	capri	8	27	52	the morn. ☾	19	
10	<b>F</b>	Trifhon	capri	20	28	53		20	<b>b</b>
11	<b>G</b>	Martinus	aquar	3	29	54	SS ☽ ☽	21	<b>c</b>
12	<b>A</b>	☾ occidental	aquar	15	2	55	* ☽ ☾ 8 p.	22	<b>d</b>
13	<b>B</b>	☽ 1 22 m	aquar	27	1	56	First quarter	23	<b>e</b>
14	<b>C</b>	☾ Apog.	pisces	8	2	56	the 13 day 51	24	<b>f</b>
15	<b>D</b>	* ☽ ☾ 7 a.	pisces	20	3	57	min. past 10	25	<b>g</b>
16	<b>E</b>	24 Sun. af. Tri.	aries	2	4	58	at night.	26	
17	<b>F</b>	☽ Oriental	aries	14	5	59	☽ ☽ ☽ 2 p.	27	<b>b</b>
18	<b>G</b>	Gelasius	aries	26	7	0	SS ☽ ☽	28	<b>c</b>
19	<b>A</b>	Elizabetha	tauru	9	8	1	* ☾ ☽ 10 a.	29	<b>d</b>
20	<b>B</b>		tauru	22	9	2		30	<b>e</b>
21	<b>C</b>	☽ enters ♍	gemi	5	10	3	Full moon the		
22	<b>D</b>	Cecilie	gemi	18	11	5	21 day 43 min.	31	<b>g</b>
23	<b>E</b>	25 Sun. af. Tri.	cance	2	12	6	past 8 at night	3	
24	<b>F</b>	Chrisogon	cance	16	13	7	△ ☾ ☽ at mid-	4	<b>b</b>
25	<b>G</b>	☽ 28 45 2	leo	0	14	8	night. Bq 4 ☽	5	<b>c</b>
26	<b>A</b>	Conrade	leo	14	15	9	☐ ☽ ☾ 4 a.	6	<b>d</b>
27	<b>B</b>	☽ Direct	leo	28	16	10	Last quart. the	7	<b>e</b>
28	<b>C</b>	Term ends	virgo	12	17	11	28 day 8 min.	8	<b>f</b>
29	<b>D</b>	☽ 10 8 ♍	virgo	26	18	13	past 8 at night	9	<b>g</b>
30	<b>E</b>	Advent. Su.	libra	10	19	14	Andrew Apo	10	

December hath XXXI. dayes.

Saturn oriental with Luna the 27 day at 9 in the morning  
 Jupiter occidental with Luna the 17 day at 5 in the morn  
 Mars oriental with Luna the 2 day at 9 at night  
 Venus occidental with Luna the 7 day at 8 at night  
 Mercury oriental with Luna the 4 day at 2 in the morning

1	f	h	4	54	♈	libra	24	20	15		11	b
2	g	Candius				scorpi	8	21	16	* ♂ ♀ 7p.	12	c
3	a	Cassianus				scorp	22	22	17	♂ ♀ 10p.	13	d
4	b	Barbara				sagitt	6	23	19		14	e
5	c	♄ 18 26	♈			sagitt	19	24	20	New moon the	15	f
6	d	Nicholaus				capri	3	25	21	5 day 42 min.	16	g
7	e	2 Sund. in Adv.				capri	11	26	21	past 8 at night	17	h
8	f	Concept. Mar.				capri	25	27	24		18	b
9	g	Joachim				aquar	10	28	25	Td h♀	19	c
10	a	♂ 19 23	♈			aquar	23	29	26	♂ ♀ 10p.	20	d
11	b	Shortest day				pisces	4	28		♂ ♀ 9p.	21	e
12	c	Valerius				pisces	16	1	29	☾ Apog.	22	f
13	d	Lucie Virg.				pisces	28	2	30	First quarter	23	g
14	e	2 Sund. in Adv.				aries	10	3	31	the 13 day 36	24	h
15	f	♀ 0 5	♈			aries	21	4	33	min. past 8 at	25	b
16	g					tauru	4	5	34	nizht.	26	c
17	a	Lazarus				tauru	17	6	35	Qh♀	27	d
18	b	Christopher				gemi	0	7	37	Δ ♀ ☾ 7p.	28	e
19	c	♂ ♀ ☾ at midn.				gemi	13	8	38	Δ h♀ at mid-	29	f
20	d	♀ 21 39	♈			gemi	27	9	39	night. ☾	30	g
21	e	Thomas				cance	11	10	40	Full moon the	31	h
22	f	Theodor.				cance	25	11	42	21 day 36 min.		Janu
23	g	Victor. Virg.				leo	10	12	43	past 10 in the	2	b
24	a	Adam & Eve				leo	24	13	44	morning.	3	c
25	b	Christ's nat.				virgo	9	14	45	☾ Perig.	4	d
26	c	Stephen				virgo	23	15	47	Δ ♀ ☾ 6p.	5	e
27	d	John & Evan.				libra	7	16	48	B q ♀	6	f
28	e	Innocents				libra	21	17	50	Last quarter	7	g
29	f	Jonathan				scorpi	5	18	51	the 28 day 34	8	a
30	g	♂ 8 29	♈			scorpi	19	19	52	min. past 4 in	9	b
31	a	Sylvester				sagitt	2	20	53	the morning.	10	c

*Cœlorum Declaratio:*

OR A  
**PROGNOSTICATION**  
FOR THE  
Yeare of our Lord, 1656.  
BEING  
**BISSEXTILE OF LEAP-YEARE.**

Containing a brief Chronography of the  
four Seasons of the Year, with a true de-  
scription of all the Eclipses, and the cause  
thereof; with a brief Astrological Judgment  
of the state of the Year in generall.

Also divers other Rules and Tables, both  
Astronomical, Astrological; and Vulgar.

Pleasant and profitable for all sorts of men,  
but chiefly those who are desirous of  
such a Work.

Calculated exactly for the Meridian of the most  
famous City of LONDON.

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By *William Eland.*

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*Cœli enarrant gloriam Dei, fortis, & opus manuum  
ejus indicat expansum eorum, Psal. 19. 2.*

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# Astronomical Calculations for this present YEAR E, 1656.

**S**ATURN is retrograde from the beginning of the year to the eighth of May, and from thence direct to the end of the year.

**JUPITER** is direct till the fourteenth of September, and from thence retrograde to the end of the year.

**MARS** and **VENUS** are direct all the year.

**MERCURY** is direct till the fourteenth of March, and then retrograde till the seventh of April, then again direct till the eighteenth of July, and from thence retrograde till the eleventh of August, then direct till the eighth of November, then retrograde to November 27. and from thence direct to the end of the year.

Note, all the time a Planet is direct, it moves according to the succession of the Signs, viz. from Aries to Taurus, but when it is retrograde the motion is contrary, viz. from Aries to Pisces, &c.

Veneris Stella resplendida cum antegreditur Solem; quæpiam Græcè, Lucifer Latinè dicitur: Cum vero subsequitur, & ab occasu refulget, Vesper, Vesperugo, & longè nominatur.

This glorious Planet Venus is Oriental, or our bright Morning Star, rising before the Sun, from the beginning of the year, till the second of September; at which time she is in Conjunction with the Sun, and becomes occidental, or our glittering Evening Star, appearing very gloriously in the West after Sun-set, and so continues to the end of the year.



To finde the time of the Sun-rising, or setting, and consequently the length of the Day and Night throughout the whole  
YEARE.

For the ready finding of the Suns rising and setting, I have added the subsequent Table, the use whereof is thus. In the head of this Table ) consisting of fourteen columns ) are placed the names of the twelve Moneths, viz. January, February, &c. July, August, &c. and in the first and eighth Column thereof, are placed the daies of the Moneth, from 1. to 31. Moreover, in the head of the Table, under the names of the Moneths, is *Ris. S. Set.* which signifieth Sun-rising, and Sun-setting, and below that is *H. M. H.* which signifieth, Hours, Minutes, Hours.

For example :

I would know the Sun-rising and setting, January 10. First, I find January in the head of the Table, and in the first Column on the left hand I find the tenth day, and right against the tenth day under January I find 7. 50. 5. which shews me, that the Sun riseth at seven a clock, and fifty minutes past in the Morning, and setteth at fifty minutes before five at night; and so for the rest.

Now if you would know the length of the day and night, do but double the hour and minute of the Suns setting, and the sum is the length of the day; and if you double the hours and minutes of Sun-rising, you shall have the hour of the night.

Example :

The tenth day of January I would know the length of the day and night, I find (by the precedent directions) the Sun riseth at 7. hours 50. min. which doubled is 15. hours 40. min. for the length of the night, and 4. hours 10. min. the Sun-setting being doubled, makes 8. hours 20. min. for the length of that day.

*Eland.*

# A Table of the Suns

Days.	January.			February.			March.			April.			May.			June.		
	Ris.	S.	Set.	Ris.	S.	Set.	Ris.	S.	Set.	Ris.	S.	Set.	Ris.	S.	Set.	Ris.	S.	Set.
	H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.
1	8	52	4	7	15	5	5	18	6	5	20	7	4	22	8	3	50	9
2	8	50	4	7	14	5	6	16	6	5	17	7	4	21	8	3	49	9
3	7	58	5	7	12	5	6	14	6	5	14	7	4	20	8	3	49	9
4	7	57	5	7	11	5	6	12	6	5	12	7	4	19	8	3	49	9
5	7	56	5	7	10	5	6	10	6	5	10	7	4	17	8	3	48	9
6	7	55	5	7	8	5	6	8	6	5	8	7	4	14	8	3	48	9
7	7	54	5	7	5	5	6	6	6	5	5	7	4	13	8	3	48	9
8	7	53	5	7	4	5	6	4	6	5	2	7	4	12	8	3	47	9
9	7	52	5	7	1	5	6	2	6	5	1	7	4	11	8	3	47	9
10	7	50	5	6	59	6	6	0	6	4	59	8	4	10	8	3	47	9
11	7	49	5	6	57	6	5	58	7	4	57	8	4	9	8	3	47	9
12	7	47	5	6	55	6	5	56	7	4	55	8	4	7	8	3	47	9
13	7	46	5	6	53	6	5	54	7	4	53	8	4	6	8	3	48	9
14	7	45	5	6	51	6	5	52	7	4	52	8	4	5	8	3	48	9
15	7	44	5	6	48	6	5	50	7	4	50	8	4	3	8	3	48	9
16	7	42	5	6	46	6	5	48	7	4	48	8	4	2	8	3	49	9
17	7	41	5	6	42	6	5	46	7	4	46	8	4	1	8	3	49	9
18	7	39	5	6	40	6	5	44	7	4	44	8	4	0	8	3	49	9
19	7	38	5	6	38	6	5	43	7	4	43	8	3	59	9	3	50	9
20	7	36	5	6	36	6	5	41	7	4	42	8	3	58	9	3	50	9
21	7	35	5	6	34	6	5	39	7	4	40	8	3	57	9	3	51	9
22	7	32	5	6	32	6	5	37	7	4	39	8	3	56	9	3	51	9
23	7	31	5	6	31	6	5	36	7	4	37	8	3	55	9	3	52	9
24	7	30	5	6	30	6	5	35	7	4	35	8	3	54	9	3	53	9
25	7	28	5	6	28	6	5	34	7	4	33	8	3	53	9	3	54	9
26	7	26	5	6	26	6	5	32	7	4	31	8	3	53	9	3	54	9
27	7	25	5	6	24	6	5	30	7	4	30	8	3	52	9	3	55	9
28	7	23	5	6	22	6	5	28	7	4	28	8	3	52	9	3	56	9
29	7	20	5	6	20	6	5	26	7	4	26	8	3	51	9	3	56	9
30	7	18	5				5	23	7	4	24	8	3	51	9			
31	7	16	5				5	21	7			3	50	9				

## Rising and Setting.

unc. f.s. fe M.H	Date	July.			August.			Septem.			October.			Novem			Decemb		
		Ril. S. fe.			Ril. S. fe.			Ril. S. fe.			Ril. S. fe.			Ril. S. fe.			Ril. S. fe.		
		H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.	H.	M.	H.
50 9	1	3	57	9 4	38	8 5	37	7 6	35	6 7	34	5 8	33	9 4	32	10 4	31	11 4	
49 9	2	3	56	9 4	40	8 5	42	7 6	43	6 7	44	5 8	45	10 4	46	11 4	47	12 4	
49 9	3	3	58	9 4	42	8 5	44	7 6	46	6 7	48	5 8	49	11 4	50	12 4	51	13 4	
49 9	4	3	59	9 4	44	8 5	46	7 6	48	6 7	50	5 8	51	12 4	52	13 4	53	14 4	
48 9	5	4	0	8 4	46	8 5	48	7 6	50	6 7	52	5 8	53	13 4	54	14 4	55	15 4	
48 9	6	4	1	8 4	48	8 5	50	7 6	52	6 7	54	5 8	55	14 4	56	15 4	57	16 4	
48 9	7	4	2	8 4	50	8 5	52	7 6	54	6 7	56	5 8	57	15 4	58	16 4	59	17 4	
47 9	8	4	3	8 4	52	8 5	54	7 6	56	6 7	58	5 8	59	16 4	60	17 4	61	18 4	
47 9	9	4	4	8 4	54	8 5	56	7 6	58	6 7	60	5 8	61	17 4	62	18 4	63	19 4	
47 9	10	4	5	8 4	56	8 5	58	7 6	60	6 7	62	5 8	63	18 4	64	19 4	65	20 4	
47 9	11	4	6	8 4	58	8 5	60	7 6	62	6 7	64	5 8	65	19 4	66	20 4	67	21 4	
47 9	12	4	8	8 4	59	8 5	61	7 6	63	6 7	65	5 8	66	20 4	67	21 4	68	22 4	
48 9	13	4	9	8 5	61	7 6	63	6 7	65	5 8	67	5 8	68	21 4	69	22 4	70	23 4	
48 9	14	4	11	8 5	63	7 6	65	6 7	67	5 8	69	5 8	70	22 4	71	23 4	72	24 4	
48 9	15	4	12	8 5	65	7 6	67	6 7	69	5 8	71	5 8	72	23 4	73	24 4	74	25 4	
49 9	16	4	13	8 5	66	7 6	68	6 7	70	5 8	72	5 8	73	24 4	74	25 4	75	26 4	
49 9	17	4	14	8 5	68	7 6	70	6 7	72	5 8	74	5 8	75	25 4	76	26 4	77	27 4	
49 9	18	4	15	8 5	70	7 6	72	6 7	74	5 8	76	5 8	77	26 4	78	27 4	79	28 4	
50 9	19	4	16	8 5	72	7 6	74	6 7	76	5 8	78	5 8	79	27 4	80	28 4	81	29 4	
50 9	20	4	18	8 5	74	7 6	76	6 7	78	5 8	80	5 8	81	28 4	82	29 4	83	30 4	
51 9	21	4	20	8 5	76	7 6	78	6 7	80	5 8	82	5 8	83	29 4	84	30 4	85	31 4	
51 9	22	4	21	8 5	78	7 6	80	6 7	82	5 8	84	5 8	85	30 4	86	31 4	87	1 4	
52 9	23	4	23	8 5	80	7 6	82	6 7	84	5 8	86	5 8	87	31 4	88	1 4	89	2 4	
53 9	24	4	25	8 5	82	7 6	84	6 7	86	5 8	88	5 8	89	1 4	90	2 4	91	3 4	
54 9	25	4	27	8 5	84	7 6	86	6 7	88	5 8	90	5 8	91	2 4	92	3 4	93	4 4	
54 9	26	4	29	8 5	86	7 6	88	6 7	90	5 8	92	5 8	93	3 4	94	4 4	95	5 4	
55 9	27	4	30	8 5	88	7 6	90	6 7	92	5 8	94	5 8	95	4 4	96	5 4	97	6 4	
56 9	28	4	32	8 5	90	7 6	92	6 7	94	5 8	96	5 8	97	5 4	98	6 4	99	7 4	
56 9	29	4	34	8 5	92	7 6	94	6 7	96	5 8	98	5 8	99	6 4	100	7 4	101	8 4	
56 9	30	4	36	8 5	94	7 6	96	6 7	98	5 8	100	5 8	101	7 4	102	8 4	103	9 4	
56 9	31	4	38	8 5	96	7 6	98	6 7	100	5 8	102	5 8	103	8 4	104	9 4	105	10 4	

# *England.*

## *Of the Eclipses this Year.*

**T**He Inhabitants of the earth will be deprived of the light of the Luminaries by their Conjunctions and Oppositions five times this present year, twice shall part of the terrestrial star be deprived of the Suns illuminating rays, and thrice shall this secondary Planet, the Moon, be subject to the like passion, the two former whereof will only be visible to us in England.

The first visible Eclipse is of the Moon, January 1. in the evening.

	ho.	mi.	sec.	
The beginning at	6	49	46	} At Night.
The true Opposition	8	16	53	
The middle or greatest obscuration	8	21	42	
The end	9	53	38	
Digits eclipsed	10 d. 51			

Those people may see this Eclipse in their Meridian, who are removed from London towards the East 3. ho. 26. min. 37. sec. under the longitude of 72. degrees, 44. min. 15. sec. which Meridian passeth near Syria, Chaldea, Persia, Damascus, Hierusalem, &c.

The second visible Eclipse is of the Sun, which happeneth January 16. in the afternoon.

	ho.	mi.	sec.	
The beginning at	0	1	48	} Afternoon.
The middle	1	37	26	
The visible Conjunction	1	39	28	
The end	3	8	27	
The Digits Eclipsed are	8 d. 15 18			

The third is a total Eclipse of the Moon upon the 26. of June, appearing to the Inhabitants of Syria, India, Arabia, China, Lapland, in the Islands Sumatra, both the Iava's, and in the Philippine Islands.

The fourth Eclipse is of the Sun, July the 11. in the Evening, and will appear total in the Southern parts of the

the earth, in the Pacifick Sea, and in the straights of Magellanica, &c.

The fifth and last is of the Moon upon the 21. of December, at our 10 hours, ante Meridiem, 'tis a very great Eclipse, and will shew it self to our Antipodes, and to such people as dwell in California, the Gulph of Mexico, New-Spain, Granada, Barbados, in the Islands Los Mongos, La Vniza, &c.

The causes of Eclipses are natural, and there is no year but there are some; the Eclipse of the Sun is alwayes in the New-Moon, and the reason of it is, because the Moon being under the Sun, doth then come between the Sun and our sight, and so by the thickeesse of her body doth hinder the beams of the Sun from shining upon us. The Moon is Eclipsed alwayes at the full, and the reason is, because then the body of the earth being between the Sun and Moon, doth binder the beams of the Sun from shining upon the Moon; and so the Moon having her light from the Sun, doth become dark, when the earth hides the Sun from her.

Yet these Eclipses happen not every New and Full Moon, but only when the Moon is in the Ecliptique line, which is (as I may call it) the path-way of the Sun, from which he never swerves, but the Moon swerves from this line to the quantity of 5. deg. on either side of it, crossing it in two opposite parts, called Dragons Head, and Dragons Tail, and if the Moon be neer either of these two points at a new or full Moon, there is an Eclipse.



*De Anni Revolutione.*

**T**He revolution of the year beginneth ( according to the Hypothesis of *Bullialdus* ) on Sunday, *March 9.* at 7. hours, 50. minutes, 42. seconds afternoon, at which time *Helios* maketh his ingresse into the first minute of the *Æquinoctial* fiery signe *Aries*, having neither declination from the *Æquinoctiall*, nor amplitude from the *East* or *West* points of the Horizon in an oblique Sphere, but to those that live in a right Sphere, ( viz. directly under the Poles of the world ) who have but one day and one night in the whole year ( as in *Greenland*, and other places within the *Arctic* and *Antarctic* Circles ) the Sun ( at this time ) is directly in their Horizon; so that it is the beginning of day to those on the North side of the *Æquinoctial*, and beginning of night to those on the South side thereof. Now those who live directly under the *Æquinoctial* line, have their daies and nights of equall length throughout the whole year, their amplitude and declination being alwayes equall, and at this time *Phebus* passeth directly over their heads at noon, and casteth their shadow perpendicular: The people that inhabit in these places, have the Poles of the world in their Horizon, and enjoy one benefit, which no other people in the world besides can, for in twenty four hours all the Stars, both Northward and Southward, do rise and set, so that they can see the Stars neer both the Poles at once. The calculation whereof *ex Tabulis Britannicis* is as followeth.



*Of the Iulian Year, or our Vulgar  
Year, and of the Leap-year,  
and the cause thereof.*

*Julius Caesar, Anno Mundi 3925. 45. years before the birth of Christ, and the year before his bloody death, noting the fallensse of the year then used, by the counsell of Sosigenes (an excellent Mathematician) made the year to consist of 365. daies, and six hours: And because it would be very difficult to compute these six hours every year: for should you begin the year at twelve of the clock and six hours, it must end the next year at twelve and six hours, and the next following would begin at midnight, &c. So that we should drive the beginning of the year, every four years, a day further, without the getting of a day; so that in 124. years the Annunciation of Mary would fall to be where S. Mark Evangelist is, or a day sooner.*

To avoid which inconvenience, *Caesar* concluded, that at every four years there should be a day gotten by the surplus of the six hours in every year, for four times six, makes twenty four hours, which day he added to *February*, for that it is the shortest moneth, and according to the Ancient, and also according to our Churches accompt, the last moneth; and this day they put at the twenty fifth of *February*, so that the letter *F* is twice repeated, *St. Matthias* day being observed upon the latter, according to the verse.

*Bissexturn sexta Martis tenuere Calendæ;  
Posteriore die celebrantur festa Matthiæ.*



## *Eland.*

So that the *Julian* Year is twofold, viz. *Julian* and *Bissex-*  
*tile*; it is called *Bissextile*, of *Bis* and *Sex*, because the six  
Calends of *March* is twice repeated: so it may be called  
*Annus Intercalaris*, because of the day that is put between;  
so may *February* (in that respect) be called, *Menfis intercala-*  
*ris*: and so may the 25. of *February* that year, be called,  
*Dies intercalaris*.

But since the *Romans* have found, that this *Julian* year  
was too great, and by help of *Autonius Lilius* they have a-  
bated the quantity of the year, making it to consist of 365.  
daies, 5. hours, 49. min. and 12. sec. whereby their accompt  
in the celebration of the Festival daies, and of the times in  
the year, differeth eleven daies from ours, as you may ob-  
serve in the *Kalender*; and yet is neither of these accompts  
precisely true, by occasion of the unequal precession of the  
*Equinoctial* points, of which here is no place to speak.

By this you may gather a week hath seven daies, or 168.  
hours, a moneth four weeks, 30. daies, or 720. hours, (I  
speak of solar moneths) and a year 52. weeks, 12. moneths,  
365. daies, or 8760. hours: But the Leap-year hath 366.  
daies, or 8784. hours, wanting indeed (according unto  
true calculation) 47. minutes, and 12. seconds: And so  
much doth every four years differ from our *Julian* year,  
which is 11. minutes, and 48. seconds every year.

1656.

A Table shewing the time of the Moons coming to the South, the first six Moneths of this Year.

	January		Februar.		March		April.		May.		June.	
	H	M	H	M	H	M	H	M	H	M	H	M
1	11	A 38	0	M 59	0	M 34	1	M 58	1	M 34	3	M 36
2	0	M 37	1	49	1	25	2	53	3	25	4	18
3	1	33	2	37	2	15	3	45	4	13	4	56
4	2	24	3	25	3	6	4	36	4	59	5	35
5	3	13	4	14	3	58	5	27	5	41	6	15
6	4	0	5	3	4	52	6	13	6	22	6	55
7	4	46	5	55	5	42	6	57	7	1	7	37
8	5	33	6	45	6	33	7	39	7	40	8	23
9	6	21	7	36	7	21	8	19	8	20	9	13
10	7	9	8	25	8	7	9	0	9	2	10	8
11	7	59	9	12	8	51	9	38	9	47	11	4
12	8	50	9	57	9	32	10	20	10	35	0	A 4
13	9	39	10	41	10	11	11	4	11	27	1	3
14	10	27	11	20	10	51	11	49	0	A 23	2	0
15	11	13	0	A 0	11	32	0	A 40	1	21	2	54
16	11	58	0	41	0	A 14	1	33	2	19	3	45
17	0	A 39	1	20	0	58	2	29	3	18	4	33
18	1	20	2	2	1	43	3	22	4	11	5	20
19	1	59	2	45	2	34	4	22	5	1	6	7
20	2	59	3	32	3	27	5	19	5	50	6	54
21	3	18	4	23	4	22	6	11	6	37	7	42
22	3	59	5	15	5	20	7	0	7	22	8	33
23	4	44	6	11	6	16	7	48	8	10	9	24
24	5	32	7	9	7	11	8	36	8	58	10	17
25	6	22	8	7	8	5	9	24	9	47	11	8
26	7	18	9	4	8	55	10	12	10	40	11	59
27	8	17	9	59	9	45	11	3	11	38	0	M 45
28	9	17	10	51	10	34	11	56	0	M 26	1	29
29	10	16	11	43	11	22	0	M 48	1	18	2	11
30	11	14		0	M 14	1		41	2	7	2	51
31	0	M 7			1	5			2	53		

*Eland.*

A Table shewing the time of the Moons coming to  
the South, the last six Moneths of this Year.

Days	July.		August.		Septem.		October		Novem.		Decem.	
	H	M	H	M	H	M	H	M	H	M	A	M
1	3	M	33	4	M	14	5	M	39	6	M	32
2	4		8	5		1	6		35	7		25
3	4		49	5		50	7		31	8		15
4	5		30	6		41	8		26	9		6
5	6		14	7		36	9		22	9		58
6	7		1	8		34	10		15	10		46
7	7		52	9		33	11		6	11		38
8	8		49	10		29	11		58	0	A	32
9	9		47	11		25	0	A	48	1		26
10	10		46	0	A	18	1		42	2		22
11	11		44	1		10	2		35	3		18
12	0	A	41	2		0	3		3	4		12
13	1		34	2		50	4		25	5		4
14	2		25	3		42	5		19	5		51
15	3		14	4		34	6		10	6		36
16	4		3	5		26	7		0	7		18
17	4		52	6		20	7		47	7		58
18	5		4	7		12	8		31	8		38
19	6		31	8		3	9		11	9		17
20	7		22	8		51	9		52	9		57
21	8		15	9		37	10		32	10		38
22	9		7	10		19	11		9	11		12
23	9		57	11		1	11		51	0	M	10
24	10		45	11		40	0	M	33	1		0
25	11		30	0	M	19	1		18	1		52
26	0	M	12	1		0	2		2	2		46
27	0		52	1		4	2		55	3		44
28	1		32	2		27	3		49	4		36
29	2		10	3		8	4		44	5		27
30	2		51	3		55	5		37	6		17
31	3		31	4		46			7			6

1656.

A Table of the Right Ascension, and Semidiurnal Arches, of thirty of the principallest fixed Stars, calculated for this present year, 1656.

cen. 20 10	Names of the Stars.	Right as- cension.		Semidiur- nal arch.	
		ho.	min.	ho.	min.
0	Andromeda's girdle	0	52	10	2
53	Former horn of the Ram	4	36	7	37
48	Hinder horn of the Ram	1	37	7	46
43	South foot of Andromeda	1	42	Sets not.	
A 36	The Rams head	1	48	8	7
37	The head of Medusa	2	46	Sets not.	
15	Bright Star of the Pleiades or seven Stars	3	27	8	14
59	North eye of the Bull	4	8	7	42
41	South eye of the Bull	4	16	7	26
20	Hircus the Goat	4	51	Sets not.	
59	Left foot of Orion	4	58	5	14
39	Left shoulder of Orion	5	7	6	31
17	First in Orions girdle	5	14	5	36
54	Orions right shoulder	5	36	6	38
41	The greater dog, Sirius	6	31	4	31
29	The lesser dog, Procyon	7	21	6	32
19	The heart of Hydra	9	11	6	37
13	Βασίλειον the Lions heart	9	49	7	13
8	Lions tail	11	30	7	31
16	Uindimatrix	12	45	7	9
0	The Virgins Spick	13	7	5	11
55	Arcturus	14	0	8	22
45	South balance	14	32	4	40
33	North balance	14	59	5	17
22	Bright star of the Crown	15	24	8	36
10	Antares, the Scorpions heart	16	8	3	23
58	Bright star of the Vulture	19	34	Sets not.	
48	Fomahant	22	38	2	28
38	Scheat	22	47	8	42
32	Marchab	22	48	7	12

**A** Table of the Suns right **A**scension in hours and minutes, every other day this year.

Days	January		February		March		April		May		June	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	19	32	21	41	23	27	01	20	03	13	05	17
3	19	41	21	49	23	34	01	27	03	20	05	26
5	19	51	21	57	23	42	01	35	03	28	05	34
7	19	58	22	05	23	49	01	42	03	37	05	43
9	20	80	22	12	23	56	01	49	03	44	05	51
11	20	15	22	20	00	04	01	56	03	52	05	59
13	20	23	22	27	00	11	02	04	04	01	06	07
15	20	32	22	35	00	18	02	12	04	08	06	15
17	20	41	22	43	00	25	02	19	04	16	06	24
19	20	49	22	50	00	32	02	26	04	25	06	33
21	20	57	22	57	00	40	02	34	04	32	06	40
23	21	05	23	05	00	47	02	42	04	41	06	49
25	21	13	23	12	00	54	02	49	04	48	06	57
27	21	21	23	20	01	02	02	57	04	57	07	50
29	21	29			01	09	03	05	05	01	07	14
31	21	38			01	16		05	13			
Days	July		August		Septem.		October		Novem.		Decem.	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	07	21	09	24	11	18	13	06	15	06	17	14
3	07	30	09	31	11	25	13	14	15	14	17	23
5	07	38	09	39	11	32	13	21	15	22	17	31
7	07	46	9	46	11	39	13	29	15	30	17	40
9	07	54	09	54	11	46	13	36	15	39	17	50
11	08	01	10	01	11	54	13	44	15	48	17	59
13	08	10	10	08	12	01	13	52	15	56	18	07
15	08	18	10	16	12	08	13	59	16	05	18	16
17	08	25	10	23	12	15	14	07	16	13	18	25
19	08	34	10	30	12	22	14	14	16	22	18	35
21	08	42	10	38	12	29	14	22	16	30	18	44
23	08	45	10	45	12	37	14	30	19	39	18	52
25	08	57	10	52	12	44	14	38	16	47	19	01
27	09	05	10	59	12	51	14	46	16	57	19	09
29	09	12	11	07	12	59	14	54	17	05	19	18
31	09	20	11	14			15	02			19	27

The use of the two foregoing Tables, for finding the Southing, Rising, and Setting of any of the fixed Stars therein mentioned.

First, for their Southing.

**I**F you would know the time of any of these Stars coming to the Meridian, or South point, you must first seek the right ascension of the Star from which you must substract the right ascension of the Sun, and the remainder is the time of the stars coming to the South: so that seeing any of them upon the Meridian or South point, find but his Southing, and that is the true hour of the night.

Secondly, for their Rising and Setting.

**I**F you desire the time of Rising, you must (by the last Column in the Table) find the Semidiurnal arch, which substracted from the time of Southing, leaves the rising, and if you add it; you shall have the setting.

Example:

Suppose on the third of January I desire to know when the great dog Star Syrius comes to the South; First (by the Table) I find his right ascension to be six hours thirty one minutes, then I look the right ascension of the Sun, January 3. which is nineteen hours forty one minutes; and because I cannot deduct nineteen hours forty one minutes from six hours thirty one minutes, I add twenty four hours, and from that sum thirty hours thirty one minutes, I substract nineteen hours forty one minutes, the remainder ten hours fifty minutes is the time of his coming to the South; therefore if I espie him on the Meridian that night, I conclude it to be fifty minutes past ten a clock.

Now to know the same night his rising, I seek his Semidiurnal arch, which is four hours thirty one minutes, which substracted from ten hours fifty minutes, the time of his Southing, leaveth six hours nineteen minutes, the time of his rising; but adding them together, it giveth the time of his setting at twenty one min. past three next morning. Now if you see him in the East or West Horizon, one hour, or two hours high, you may easily know the time of the night, by adding his altitude to his rising or setting.

# Eland.

A Table containing a general Judgment of the  
Ayr, by the Conjunctions and Aspects of the Planets.

Spri.	Wind and rain	Turbulent ayr	Dry and windy
Sum.	h Hail and thun	♂ Thun. and heat	♂ Thun. & light.
Aut.	♂ Wind and rain	♂ Winds	♂ Dry and windy
Win.	Turbulent ayr	Temperate	Remiss of cold
Spri.	Rain and thun.	Windy	Much rain
Sum.	h Thun. and hai	♂ Thun & light.	♂ Small rain
Aut.	♂ Rain, tempest.	♂ Winds	♀ Rain
Win.	Remiss of cold	Remiss of cold	Rain or snow
Spri.	Cold rain	Springing wea.	Wind and rain
Sum.	h Hail, rain, thū	♂ Pleasant heat	♂ Thun. and hail
Aut.	♂ Cold rain	♀ Clear weather	♀ Wind and hail
Win.	Snow or rain	Warm ayr.	Snow or rain
Spri.	Cold rain	Great winds	Sometimes hail
Sum.	h Sudden rain	♂ Wind and thū.	♂ Thunder
Aut.	♀ Cold rain	♀ Wind & moist.	♂ Intemperate
Win.	Snow or rain	Wind and rain	Variable
Spri.	Wind and rain	According to	In airy So. wi.
Sum.	h Windy	♂ the sign com-	♂ In water, rain
Aut.	♀ Winds & Clo.	♂ monly white	♀ Ever rain, if ♀
Win.	Winds & snow	Clouds & fair	be retrograde
Spri.	Clouds & moist.	Moist weather	According to
Sum.	h Cool rain	♂ Thunder	♂ the time, and
Aut.	♂ Cloudy	♀ Small rain	♂ the Planet
Win.	Clouds & snow	Rain, mists	predominant.
Spri.	Sweet showers	Clouds, moist	Variable, of
Sum.	♀ Rain or clouds	♀ Remiss heat	♀ the nature of
Aut.	♀ Variable	♂ Cloudy	♂ the sign.
Win.	Sometimes flood	Winds & snow	

The use of this Table.

**I**F you would know the inclination of the ayr any day in  
the year, observe what aspects of the Planets are upon that  
day, and seek the Characters of the Planets in this Table,  
and in the same part against the Season you shall have your  
desire.

A Table



# Tables of Interest at 6 per Cent.

		1 Moneth			3 Moneth			6 Moneth			9 Moneth			12 Moneth		
		s	p	f	s	p	f	s	p	f	s	p	f	s	p	f
Shillings.	1	0	0	0	0	0	0	0	0	1	0	0	2	0	0	2
	2	0	0	0	0	0	1	0	0	2	0	1	0	0	1	1
	3	0	0	0	0	0	2	0	1	0	0	1	2	0	2	0
	4	0	0	0	0	0	2	0	1	1	0	2	0	0	2	2
	5	0	0	1	0	0	3	0	1	3	0	2	2	0	3	3
	6	0	0	1	0	1	0	0	2	0	0	3	1	0	4	1
	7	0	0	1	0	1	1	0	2	2	0	3	3	0	5	0
	8	0	0	1	0	1	1	0	2	3	0	4	1	0	5	2
	9	0	0	2	0	1	2	0	3	0	0	5	0	0	6	1
	10	0	0	2	0	1	3	0	3	2	0	5	1	0	7	0
Pounds.	1	0	1	0	0	2	2	0	7	0	0	10	3	1	2	1
	2	0	2	1	0	7	0	1	2	1	1	9	2	2	4	3
	3	0	3	2	0	10	3	1	9	2	2	8	1	3	7	0
	4	0	4	3	1	2	1	2	4	3	3	7	0	4	9	2
	5	0	6	0	1	6	0	3	0	0	4	6	0	6	0	0
	6	0	7	0	1	9	2	3	7	0	5	4	3	7	2	1
	7	0	8	1	2	1	1	4	2	1	6	3	2	8	4	3
	8	0	9	2	2	8	2	4	9	2	7	2	1	9	7	0
	9	0	10	3	2	4	1	5	4	3	8	1	0	10	9	2
Tens of pounds.	10	0	1	0	0	3	0	0	6	0	0	9	0	0	12	0
	20	0	2	0	0	6	0	0	12	0	0	18	0	1	4	0
	30	0	3	0	0	9	0	0	18	0	1	7	0	1	16	0
	40	0	4	0	0	12	0	1	4	0	1	16	0	2	8	0
	50	0	5	0	0	15	0	1	10	0	2	5	0	3	0	0
	60	0	6	0	0	18	0	1	16	0	2	14	0	3	12	0
	70	0	7	0	1	1	0	2	2	0	3	3	0	4	4	0
	80	0	8	0	1	4	0	2	8	0	3	12	0	4	16	0
	90	0	9	0	1	7	0	2	14	0	4	1	0	5	8	0
	100	0	10	0	1	10	0	3	0	0	4	10	0	6	0	0

If you would know the Interest of any sum of money under a 100. pounds, look in the Table for the sum in the first Column, and right against it you shall have the interest for 1 Moneth, 3 Moneths, 6 Moneths, 9 Moneths, or a Year, in pounds, shillings, and pence.

# Eland.

## A brief Chronology of some Memorable Accidents, untill this present year, 1656.

	<b>T</b> he Creation of the World	5601
	Noahs Flood	3911
	Brute entred this Island, and built London	2761
	England first received the Christian Faith	1471
	The Danes first entred England	631
	Duke William conquered England	591
	Westminster-Hall built	511
	London first obtained to be governed by Sheriffs and Mayors in Rich. 1.	461
	The extremity of the Suns heat kill'd many	361
	The first Invention of Guns	371
	The Invention of Printing	391
Since	Printing brought into London	381
	The battel at Bosworth, Anno 2. Rich. 3.	71
	The damnable Gunpowder-Treason, Nov. 5. 1605.	1
	The Parliament began, Nov. 3. 1640.	1
	The Earl of Strafford was beheaded	1
	Cheapside Cross demolished, May 2.	1
	The Book of Common-Prayer null'd	1
	Bishop of Canterbury beheaded	1
	Nastby Fight	1
	Pomfræ Castle surrendred	1
	King Charles beheaded at W. H.	1
	The Scots Army of 21000. invaded England under D. Hamiltons Command, July 11. 1648.	1
	The Fight at Worcester	1

FINIS.